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AMENDMENT TO GLP TEST PROTOCOL ATS & L



Amendment No.:

1

Effective Date:

10/31/12

Sponsor:

Sanosil International, LLC 91 Lukens Drive, Suite A New Castle, DE 19720

Test Facility:

ATS Labs

1285 Corporate Center Drive, Suite 110

Eagan, MN 55121

Protocol Title:

Efficacy of a Disinfectant Applied to a Room Via a Fogger or

Misting Device

ATS Labs Protocol Number:

SAN01101111.RDT

ATS Labs Project Number:

A14153

Modifications to Protocol:

- A. On the day of testing, the Sponsor requested that the HVAC vents in the ceiling be covered and a humidifier/dehumidifier be used in the testing room to target 35-45% room humidity prior to running each cycle.
- B. On each day of testing, the Sponsor instructed the technician to start the machine by holding the start button in for two seconds.
- C. Per Sponsor request, the protocol is being amended to clarify the expiration dates for each lot of test substance. The expiration date of 3/21/12 for Lot 1109C is incorrectly listed in the protocol and it should be 3/21/2013. The expiration date for Lot 12/001 is 9/1/2013 and the expiration date for Lot 1206D is 6/30/2013.
- D. The protocol is amended to clarify that the following controls will be performed on each organism: Purity, Viability, Carrier Population and Neutralization Confirmation Control.

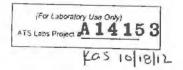
Changes to the protocol are acceptable as noted.

Study Director

10-31-12

EXACT COPY INITIALS MS DATE 12-12-12







PROTOCOL

Efficacy of a Disinfectant Applied to a Room Via a Fogger or Misting Device

Test Organisms:

Pseudomonas aeruginosa (ATCC 15442) Staphylococcus aureus (ATCC 6538)

PROTOCOL NUMBER

SAN01101311.RDT

PREPARED FOR

Sanosil International, LLC 91 Lukens Drive, Suite A New Castle, DE 19720

PERFORMING LABORATORY

ATS Labs 1285 Corporate Center Drive, Suite 110 Eagan, MN 55121

PREPARED BY

Matthew Sathe, B.S. Senior Microbiologist

DATE

October 13, 2011
Revised Date: July 18, 2012
Final Revision Date: October 10, 2012

PROPRIETARY INFORMATION

THIS DOCUMENT IS THE PROPERTY OF AND CONTAINS PROPRIETARY INFORMATION OF ATS LABS. NEITHER THIS DOCUMENT, NOR INFORMATION CONTAINED HEREIN IS TO BE REPRODUCED OR DISCLOSED TO OTHERS. IN WHOLE OR IN PART. NOR USED FOR ANY PURPOSE OTHER THAN THE PERFORMANCE OF THIS WORK ON BEHALF OF THE SPONSOR WITHOUT PRIOR WRITTEN PERMISSION OF ATS LABS.

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Efficacy of a Disinfectant Applied to a Room Via a Fogger or Misting Device

SPONSOR:

Sanosil International, LLC 91 Lukens Drive, Suite A New Castle, DE 19720

TEST FACILITY:

ATS Labs

1285 Corporate Center Drive, Suite 110

Eagan, MN 55121

PURPOSE

The purpose of this assay is to determine the efficacy of a room bio-decontamination system on exposed, hard, non-porous surfaces, using a disinfectant applied by a fogger or misting device in a sealed large volume enclosure.

TEST SUBSTANCE CHARACTERIZATION

Test substance characterization as to content, stability, etc., (40 CFR, Part 160, Subpart F [160,105]) is the responsibility of the Sponsor. The test substance shall be characterized by the Sponsor prior to the experimental start date of this study. Periment Information, which may affect the outcome of this study, shall be communicated in writing to the Study Director upon sample submission to ATS Labs.

SCHEDULING AND DISCLAIMER OF WARRANTY

Experimental start dates are generally scheduled on a first-come/first-serve basis once ATS Labs receives the Sponsor approved/completed protocol, signed fee schedule and corresponding test substance(s). Based on all required materials being received at this time, the <u>proposed</u> experimental start date is October 15, 2012. Verbal results may be given upon completion of the study with a written report to follow on the <u>proposed</u> completion date of November 15, 2012. To expedite scheduling, please be sure all required paperwork and test substance documentation is complete/accurate upon arrival at ATS Labs.

If a test must be repeated, or a portion of it, due to failure by ATS Labs to adhere to specified procedures, it will be repeated free of charge. If a test must be repeated, or a portion of it, due to failure of internal controls, it will be repeated free of charge. "Methods Development" fees shall be assessed, however, if the test substance and/or test system require modifications due to complexity and difficulty of testing

If the Sponsor requests a repeat test, they will be charged for an additional test.

Neither the name of ATS Labs or any of its employees are to be used in advertising or other promotion without written consent from ATS Labs.

The Sponsor is responsible for any rejection of the final report by the regulating agencies concerning report format, pagination, etc. To prevent rejection, Sponsor should carefully review the ATS Labs final report and notify ATS Labs of any perceived deficiencies in these areas before submission of the report to the regulatory agency ATS Labs will make reasonable changes deemed necessary by the Sponsor, without altering the technical data.

JUSTIFICATION FOR SELECTION OF THE TEST SYSTEM

Regulatory agencies require that specific disinfection claims for a disinfectant product and bio-decontamination system intended for use on hard surfaces be supported by appropriate scientific data demonstrating the efficacy of the product and delivery system against the claimed test organism. The U.S. EPA typically requires the testing of 3 independent lots of test substance, one of which must be ≥60 days old at the time of test, to substantiate efficacy claims. Testing is accomplished in the laboratory by treating the test organism with the test substance under conditions which simulate as closely as possible the actual conditions under which the test substance is designed to be used. For fogging or misting bio-decontamination devices which utilize a disinfectant, efficacy testing is performed to determine that all exposed, hard, non-porous surfaces within the enclosure are effectively treated with the disinfectant. The experimental design in this protocol meets these requirements. However, this protocol has not been reviewed by regulatory agencies for registration compliance. Acceptance of this protocol by a regulatory agency is the responsibility of the Sponsor.

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TEST PRINCIPLE

Inoculated glass carriers and appropriate chemical indicators (CI), if applicable, are placed at diverse locations within the sealed room. The inoculated carriers and CIs will be exposed to the test substance for a specified exposure time. After exposure, the carriers are transferred to vessels containing neutralizing subculture media and assayed for survivors. The CIs, if used, will be visually examined and observations will be recorded. Appropriate culture purity, sterility, viability, carrier population, and neutralization confirmation controls will be performed.

TEST METHOD

Table 1:

Test Organism	ATCC#	Growth Medium	Incubation Parameters
Psaudomonas aeruginosa	15442	Nutrient Broth	35-37°C, aerobic
Staphylococcus aureus	6538	Nutrient Broth	35-37°C, aerobic

The test organisms to be used in this study was/were obtained from the American Type Culture Collection (ATCC), Manassas, VA.

Preparation of Room Enclosure

The test room enclosure with dimensions $18'8.5' \times 16'8' \times 11'9'$, totaling approximately 3663.7 feet or 104 m^3 will be used for testing. The room will be prepared by removing any dirt and waste substances visible to the naked eye, as applicable. This may involve sweeping and mopping the floor and washing down any visibly dirty surfaces. In addition, all porous surfaces including fabrics, curtains, etc will be removed from the room. Shelves or other suitable means of supporting the test carriers and CIs will be positioned within the room.

The room enclosure will be sealed prior to testing in order to isolate the space in which the test substance will be applied. At a minimum, this will include sealing the door exiting the room by any appropriate means. The HVAC vents in the ceiling of the test room may be covered, by Sponsor request. ATS Lab's standard HVAC system supplemented with a humidifier/dehumidifier may be used to reach the environmental conditions requested by the Sponsor prior to and during testing. In addition, supplemental fans may be used to assist with distribution of the test substance at the Sponsor's request.

Carriers

Glass slides (25 mm x 25 mm or 18 mm x 36 mm) will be utilized as the carrier for this assay. The carriers will be placed into a vessel and sterilized in an air oven for ≥2 hours at ≥180°C. Individual sterile plastic Petri dishes will be matted with two pieces of filter paper. Glass slides will be transferred into matted Petri dishes for use in testing

The minimum number of test carriers needed will be determined by the equation below.

Number of Test carriers = [(m3-10) / 2] + 15

Where m3 = the volume of the room enclosure in cubic meters

When using the test room with dimensions of 18'8.5" x 16'8" x 11'9", a minimum of 62 test carriers per organism will be used to substantiate disinfectant claims. An alternate number of carriers may be utilized at the Sponsor's request.

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Chemical Indicators

Chemical indicators (CIs) in the form of test strips appropriate for the active ingredient may be supplied by the Sponsor. If they are used, they will be placed in the same locations as the test carriers. Color changes demonstrated by the CIs will be recorded following the completion of the test cycle. The use of CIs is strictly to verify the distribution of the test substance throughout the testing enclosure. They will not be used to provide a quantitative measure of test substance concentration.

Preparation of Test Organism

From a stock slant, an initial tube of culture broth will be inoculated. This culture is termed the "initial broth suspension." From this initial broth suspension, a minimum of three daily transfers will be performed on consecutive days prior to use in testing procedure. For each test organism, the appropriate growth medium will be subcultured using a daily transfer (more than 3, but less than 30 transfers) of the test organism.

A 48-54 hour broth culture incubated at the parameters listed in Table 1 will be prepared.

On the day of use, the pellicle will be aspirated from the *Pseudomonas aeruginosa* culture. The test cultures will be thoroughly mixed and allowed to stand for ≥10 minutes prior to use.

An organic soil load may be added to the test culture per Sponsor's request

Contamination of Carriers

The glass slide carriers will each be inoculated with 0.01 mL (10 µL) of a prepared suspension (using a 4 mm loop or calibrated pipettor) uniformly spreading the suspension over the test surface of the slide in a Petri dish. The dish will be covered immediately and the procedure repeated until all slides have been inoculated. The slides will be allowed to dry for 30-40 minutes at 35-37°C. The drying conditions (temperature and humidity) will be appropriate for the test organism for the purpose of obtaining maximum survival following drying. The actual drying conditions will be clearly documented.

Carrier Placement in the Room Enclosure

Inoculated and dried test carriers and Cts (if applicable) will be placed within the room to include at a minimum

- All corners of the room
- 2. Central locations on all wall faces
- 3 Central locations on the floor
- 4 Underneath horizontal surfaces
- 5. Multiple locations and heights within the enclosed space.

Carriers will be placed in near vertical and horizontal positions throughout the room. Cls, if used, will be placed in a paired fashion with an inoculated test carrier. The approximate locations of test carriers. Cls (if applicable), vents, doors, application equipment, and fans (if used) will be documented. See protocol attachment for positioning diagram.

Test Substance and Equipment Preparation

The test substance(s) to be assayed will be used as directed by the Sponsor. If a dilution of the test substance is requested by the Sponsor, the test substance(s) will be diluted by ATS Labs and will be applied within three hours of dilution. The appropriate test substance volume will be added to the Sponsor provided application equipment and will be activated per Sponsor's instruction. Alternately, the Sponsor or Sponsor Representative may be present on the day of testing to prepare and activate the application equipment.

Exposure Conditions

Once each of the inoculated carriers is positioned and the required environmental conditions have been achieved, the lid of each Petri dish containing the inoculated carrier(s) will be removed. The application unit will be activated, the technician will immediately exit the room, and the room will be sealed. The exposure will continue for the exposure time specified by the Sponsor. The total time from activation to the completion of cycle will be documented. The room exhaust will be verified to be off, unless otherwise directed by the Sponsor.

Following the completion of the test cycle, the room may be aerated as indicated by the Sponsor in order to assure the technicians may safely enter the room. If an aeration step is required, the total aeration time will be recorded.

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Test System Recovery

After exposure to the test substance, the treated test carriers will be individually transferred using sterile forceps to 20 mL aliquots of neutralizing subculture medium. If necessary, carriers will be transferred into individual secondary subcultures containing 20 mL aliquots of neutralizing subculture medium ≥30 minutes after subculture of first carrier.

If CIs are used, they will be observed for color change and the results will be recorded.

Incubation and Observation

All subcultures and controls are incubated for 48±4 hours at 35-37°C (or other appropriate time/temperatures). Following incubation, the subcultures will be visually examined for growth. If necessary, the subcultures may be placed at 2-8°C for up to three days prior to examination.

Representative neutralized subcultures showing growth will be subcultured, stained and/or biochemically assayed to confirm or rule out the presence of the test organism.

STUDY CONTROLS

Purity Control

A "streak plate for isolation" will be performed on the organism culture and following incubation examined in order to confirm the presence of a pure culture. The acceptance criterion for this study control is growth of a pure culture demonstrating colony morphology typical of the test organism.

Organic Soil Sterility Control

If applicable, the serum used for soil load will be cultured, incubated, and visually examined for lack of growth. The acceptance criterion for this study control is lack of growth.

Carrier Sterility Control

A representative uninoculated carrier will be added to the neutralizing subculture medium. The subculture medium containing the carrier will be incubated and examined for growth. The acceptance criterion for this study control is lack of growth.

Neutralizing Subculture Medium Sterility Control

A representative sample of uninoculated neutralizing subculture medium will be incubated and visually examined. The acceptance criterion for this study control is lack of growth.

Viability Control

A representative inoculated carrier will be added to the subculture medium. The subculture medium containing the carrier will be incubated and visually examined for growth. The acceptance criterion for this study control is growth.

Pre-Treatment Carrier Population Control

This control will be performed immediately following carrier placement in the testing room (Time zero). Inoculated carriers will be added at a ratio of 1 carrier to 10 mL neutralizing broth and vortex mixed. Appropriate serial ten-fold dilutions will be prepared and the aliquots spread plated on agar plate medium, and incubated. Following incubation, the resulting colonies will be enumerated and the CFU/carrier calculated. The acceptance criterion for this study control is a minimum of 1 x 10⁵ CFU/carrier

Post-Treatment Carrier Population Control

Inoculated carriers will be placed within a seated container and held in the test room during the test substance application. Upon completion of the treatment cycle the carriers will be removed from the seated container. The carriers will be added at a ratio of 1 carrier to 10 mL neutralizing broth and vortex mixed. Appropriate serial ten-fold dilutions will be prepared and the aliquots spread plated on agar plate medium, and incubated. Following incubation, the resulting colonies will be enumerated and the CFU/carrier calculated. The acceptance criterion for this study control is a minimum of 1.0 \times 10 4 CFU/carrier.

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Neutralization Confirmation Control

The neutralization of the test substance will be confirmed by treating uninoculated carriers in the test room in parallel with the test. Upon completion of the treatment cycle, the exposed carriers (representing not less than 10% of the total number of test carriers) will be transferred to primary subcultures containing 20 mL of neutralizing subculture medium. If performed in the test procedure, carriers will then be transferred from primary subcultures into individual secondary subcultures ≥30 minutes following the primary transfer. The subcultures containing the exposed carriers, minimally, will be inoculated with ≤100 colony forming units (CFU) of each test organism, incubated under test conditions and visually examined for the presence of growth. This control will be performed with multiple replicates using different dilutions of the test organism. A standardized spread plate procedure will be run concurrently in order to enumerate the number of CFU actually added. The control result will be reported using data from the most appropriate dilution. NOTE: Only the most concentrated test substance and/or shortest exposure time needs to be evaluated in this control.

OR

Ten percent of the subcultures containing carriers showing no growth will be inoculated with ≤100 CFU of each test organism and incubated. This control will be performed with multiple replicates representing different dilutions of the test organism. A standardized spread plate procedure will be run concurrently in order to enumerate the number of CFU actually added. The control result will be reported using data from the most appropriate dilution. If a neutralization confirmation control was performed concurrent with testing and does not meet the acceptance criteria, the control may be repeated post-testing, as necessary.

The acceptance criterion for this study control is growth in the final subculture broth, minimally, following inoculation with <100 CFU

PROCEDURE FOR IDENTIFICATION OF THE TEST SYSTEM

ATS Labs maintains Standard Operating Procedures (SOPs) relative to efficacy testing studies. Efficacy testing is performed in strict adherence to these SOPs which have been constructed to cover all aspects of the work including, but not limited to, receipt, log-in, and tracking of biological reagents including test organism strains for purposes of identification, receipt and use of chemical reagents. These procedures are designed to document each step of efficacy testing studies. Appropriate references to medium, batch number, etc. are documented in the raw data collected during the course of each study.

Additionally, each efficacy test is assigned a unique Project Number when the protocol for the study is initiated by the Study Director. This number is used for identification of the test subcultures, etc. during the course of the test. Test subcultures are also labeled with reference to the test organism, experimental start date, and test product Microscopic and/or macroscopic evaluations of positive subcultures are performed in order to confirm the identity of the test organism. These measures are designed to document the identity of the test system.

STUDY ACCEPTANCE CRITERIA

Test Substance Performance Criteria

The U.S. EPA efficacy performance requirements for label claims state that the test substance must kill the microorganisms on 59 out of 60 inoculated carriers (or the equivalent ratio if a different number of carriers are used)

Control Acceptance Criteria

The study controls must perform according to the criteria detailed in the study controls description section. If any of the control acceptance criteria are not met, the test may be repeated under the current protocol number.

METHOD FOR CONTROL OF BIAS: N/A

REPORT

The report will include, but not be limited to, identification of the sample, date received, initiation and completion dates, identification of the organism strains used, description of media and reagents, description of the methods employed, tabulated results and conclusion as it relates to the purpose of the test, and all other items required by 40 CFR Part 160 185.

Proprietary Information

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PROTOCOL CHANGES

If it becomes necessary to make changes in the approved protocol, the revision and reasons for changes will be documented, reported to the Sponsor and will become a part of the permanent file for that study. Similarly, the Sponsor will be notified as soon as possible whenever an event occurs that may have an effect on the validity of the study.

Standard operating procedures used in this study will be the correct effective revision at the time of the work. Any minor changes to SOPs (for this study) or methods used will be documented in the raw data and approved by the Study Director

TEST SUBSTANCE RETENTION

It is the responsibility of the Sponsor to retain a sample of the test substance. All unused test substance will be discarded following study completion unless otherwise indicated by Sponsor.

RECORD RETENTION

Study Specific Documents

All of the original raw data developed exclusively for this study shall be archived at ATS Labs. These original data include, but are not limited to the following.

- All handwritten raw data for control and test substances including, but not limited to, notebooks, data forms and calculations.
- Any protocol amendments/deviation notifications
- 3 All measured data used in formulating the final report.
- 4 Memoranda, specifications, and other study specific correspondence relating to interpretation, and evaluation of data, other than those documents contained in the final study report
- 5 Original signed protocol
- 6 Certified copy of final study report
- 7 Study-specific SOP deviations made during the study.

Facility Specific Documents

The following records shall also be archived at ATS Labs. These documents include, but are not limited to, the following:

- 1. SOPs which pertain to the study conducted.
- Non study-specific SOP deviations made during the course of this study which may affect the results obtained during this study.
- Methods which were used or referenced in the study conducted.
- 4 QA reports for each QA inspection with comments.
- 5 Facility Records: Temperature Logs (ambient, incubator, etc.), Instrument Logs, Calibration and Maintenance Records.
- 6 Current curriculum vitae, training records, and job descriptions for all personnel involved in the study

Proprietary Information -

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- Association of Official Analytical Chemists (AOAC), 2005. Germicidal and Detergent Sanitizing Action of Disinfectants Method 960.09 [Preparation of Synthetic Hard Water].
- U.S. Environmental Protection Agency, Registration Division, Office of Pesticide Programs, 1982. Efficacy Data Requirements, Disinfectants for Use on Hard Surfaces, DIS/TSS-1.
- 4 U.S. Environmental Protection Agency, Registration Division, Office of Pesticide Programs, 1979. Efficacy Data Requirements, Supplemental Recommendations, DIS/TSS-2.
- 5. U.S. Environmental Protection Agency, Registration Division, Office of Pesticide Programs, Draft Protocol "Protocol for Sterilization of Porous and Non-Porous Surfaces within Sealed Enclosures using Vaporized Hydrogen Peroxide"
- U.S. Environmental Protection Agency, Registration Division, Office of Pesticide Programs, 1982. Subseries 91A: Public Health Uses In Pesticide Assessment Guidelines – Subdivision G (Product Performance).
- 7 U.S. Environmental Protection Agency, Office of Chemical Safety and Pollution Prevention, Product Performance Test Guidelines, OCSPP 810.2000 General Considerations for Public Health Uses of Antimicrobial Agents, March 12, 2012.
- U.S. Environmental Protection Agency, Office of Chemical Safety and Pollution Prevention, Product Performance Test Guidelines, OCSPP 810.2100 Sterilants - Efficacy Data Recommendations, March 12, 2012.
- U.S. Environmental Protection Agency, Office of Chemical Safety and Pollution Prevention, Product Performance Test Guidelines, OCSPP 810.2200: Disinfectants for Use on Hard Surfaces- Efficacy Data Recommendations, March 12, 2012.

DATA ANALYSIS

Calculations

Carrier Population Control Calculation

Average CFU/Carrier = (avg # colonies /plate @ dilution used) (dilution factor) (volume subculture medium) (# of carriers tested) (volume plated)

Statistical Methods None used

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(All si	STUDY INFO	DRMATION of prior to submitting protoc	0.00
Test Substance (Name & Batch No Sauges 1 8010 Laf 1	imbare including SCO de-	ald be a least of the second	uld appear on final report):
Specify ≥60 day old batch: Lo	+ 1108C	Expiration Date:	3/21/12
Product Description: ☐ Quaternary ammonia☐ lodophor	☐ Peracelic acid		hypochlorite
Test Substance Active Concentr	ation (upon submission		
Neutralization/Subculture Broth: Storage Conditions: \(\tilde{\Omega} \) Room Temperature \(\tilde{\Omega} \) 2-8°C \(\tilde{\Omega} \) Other	0.5% Tween 80 if nee ATS Labs' Discretion their discretion, to perf	ded to assure neutralization. By checking, the Spoorm neutralization confirm	etheen Broth + 0.070/ 1 This
Hazards: ☐ None known: Use Stand ☐ Material Safety Data Sh ☐ As Follows:	dard Precautions eet, Attached for each pr	oduct	
Product Preparation No dilution required, Use a "Dilution(s) to be tested	s received (RTU)		
(example 1 oz/gallon ☐ Delonized Water (Filter ☐ Tap Water (Filter or Aut ☐ AOAC Synthetic Hard V ☐ Other	or Autoclave Sterilized) oclave Sterilized)	st substance) + (amount of	f diluent)
'Note: An equivalent dilution	may be made unless o	therwise requested by th	e Sponsor.
	onas aeruginosa (ATCC 1 occus aureus (ATCC 653		
Carrier Number: 62 /lot/organ		Indicators Supplied:	
Equipment Operational Instruction	ons: Please	Chemical Indicator: <u>Sand</u> refer to line 5000 US 10-17-12	esil H ₂ O _Z Strip Tests
Cycle Time: ~140 minutes (estimated reported)	d time from activation to 1 p	om H ₂ O ₂ in the test room. Act	ual camer subculture time will be
Environmental Exposure Temper	ature Range: Ambient	<u> </u>	
Organic Soil Load: Minimum 5% Organic So No Organic Soil Load Re Other.	oil Load (Fetal Bovine Ser		
	- Proprietary Inc	formation -	

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TEST SUBSTANCE SHII	PMENT STATUS		
Has been used in on	e or more previous studies at ATS L	abs	
	ATS Labs (but has not been used in		
Date shipped to		Sent via overnight	delivery? 🗆 Yes 🗆 No
Will be shipped to AT Date of expected	receipt at ATS Labs: 10/	17/2012	
Sender (if other than	Sponsor): CASE LAOS, U	NHIPPANTNT	
COMPLIANCE		,,,,,,	
Study to be performed up	nder EPA Good Laboratory Practice	regulations (40 CER Red	(00)
standard operating proced	dures.	regulations (40 CFR Pan	160) and in accordance to
Yes			
☐ No (Non-GLP Study)			
PROTOCOL MODIFICAT	TONS		
☐ Approved without mod	dification		
 Approved with modific 	cation - Supplemental Information Form	π Attached - ☑ Yes □ N	40
APPROVAL SIGNATURE	<u>ES</u>		
SPONSOR:			
NAME DAVI	D By hogh	TITLE Regu	115/2012
SIGNATURE:	fl In	DATE:	115/2012
PHONE 307-454-	-8102 FAX.	EMAIL of lace	he sausilglobal.
	oses, study information will be release		
the protocol (above) un	nless other individuals are specifically	authorized in writing to rece	eive study information.
Other individuals auti	horized to receive information rega	rding this study:	☐ See Attached
ATS Labs:			
NAME Mother	Sathe		
	Sathe Study Director		
11	111 14		10 17 10
SIGNATURE. 141	our sales	DATE_	10-17-12
	Study Director		
	- Proprietary Inform		

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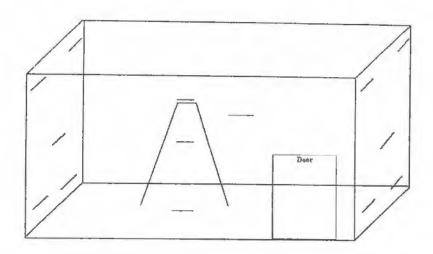
Protocol Number: SAN01101311.RDT

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Attachment To ATS Labs Protocol – SAN01101311.RDT Carrier Placement Diagram



Carriers will be placed on the horizontal lines throughout the room. A three shelf laboratory cart, which is not included in the diagram above, will be located in the room and carriers will be placed on the middle and bottom shelves to represent locations under horizontal surfaces. Horizontal lines near the floor represent horizontal carrier placement on the floor. Elevated lines in the upper corners and center wall faces will contain Petri dishes randomly placed in flat or near vertical positions. The application system and any needed accessories (humidifier, fans, etc.) are not included in the diagram at this time. They will be included in the location diagram included in the final report.

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